ABSTRACT OF THE DISCLOSURE

CLOSED LOOP ADAPTIVE PRESTAGE METHOD, SYSTEM, AND PRODUCT FOR PRESTAGING CACHE BLOCKS

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A method, system, and computer program product are disclosed for dynamically determining and adjusting a number of data blocks to be prestaged in a cache included in the storage device. The storage device receives and
10 processes input/output (I/O) requests. Information about the I/O requests and about the processing of the requests by the storage device is accumulated. The information is then used to dynamically adjust a prestaging policy as the storage device receives and processes requests. The
15 prestaging policy defines a current number of data blocks to be prestaged in the cache.